

Fig. 1

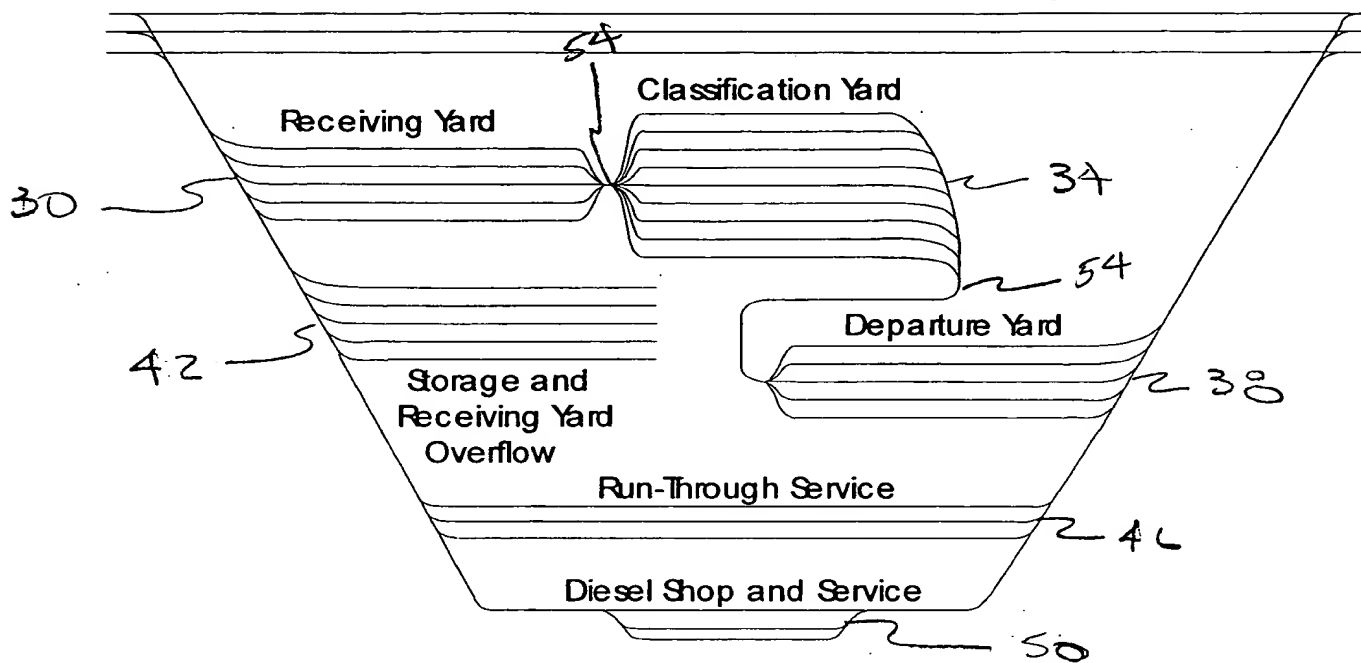


Fig. 2

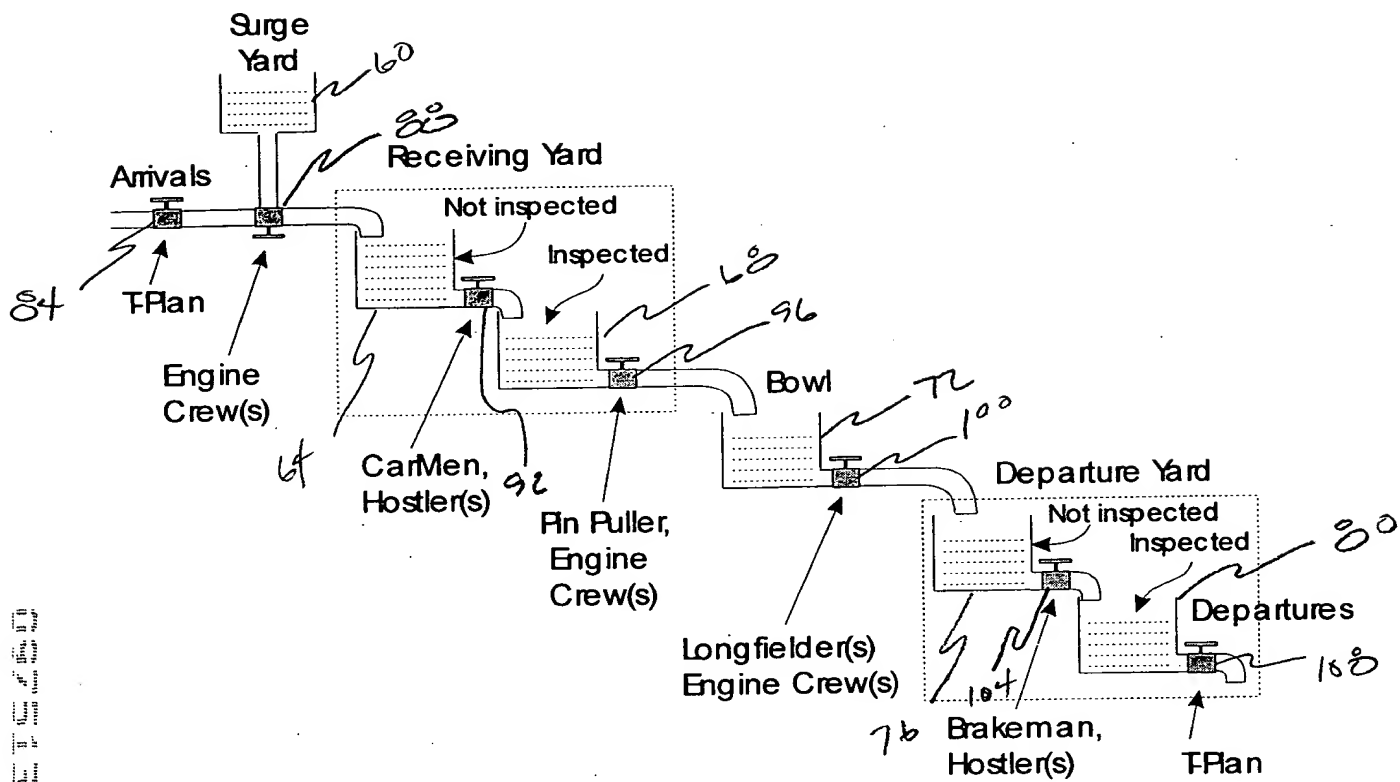


Fig. 3

204

208

212

216

200

216

216

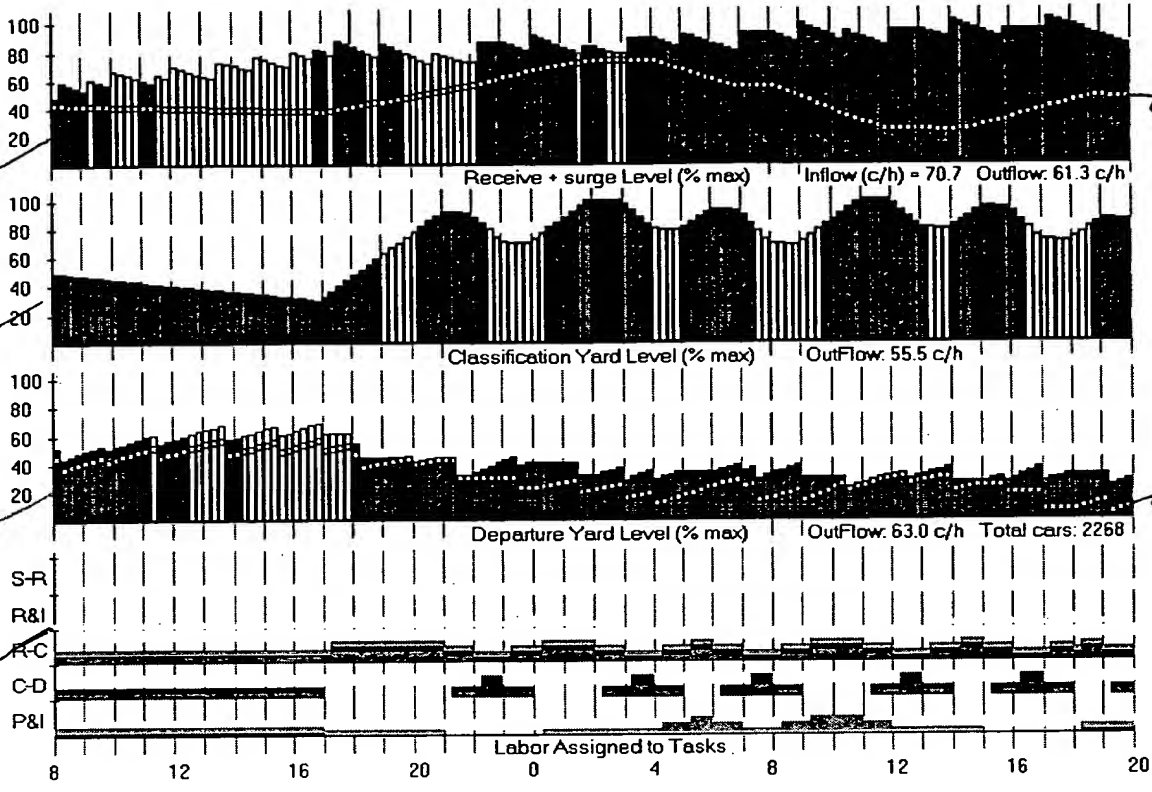


Fig. 4

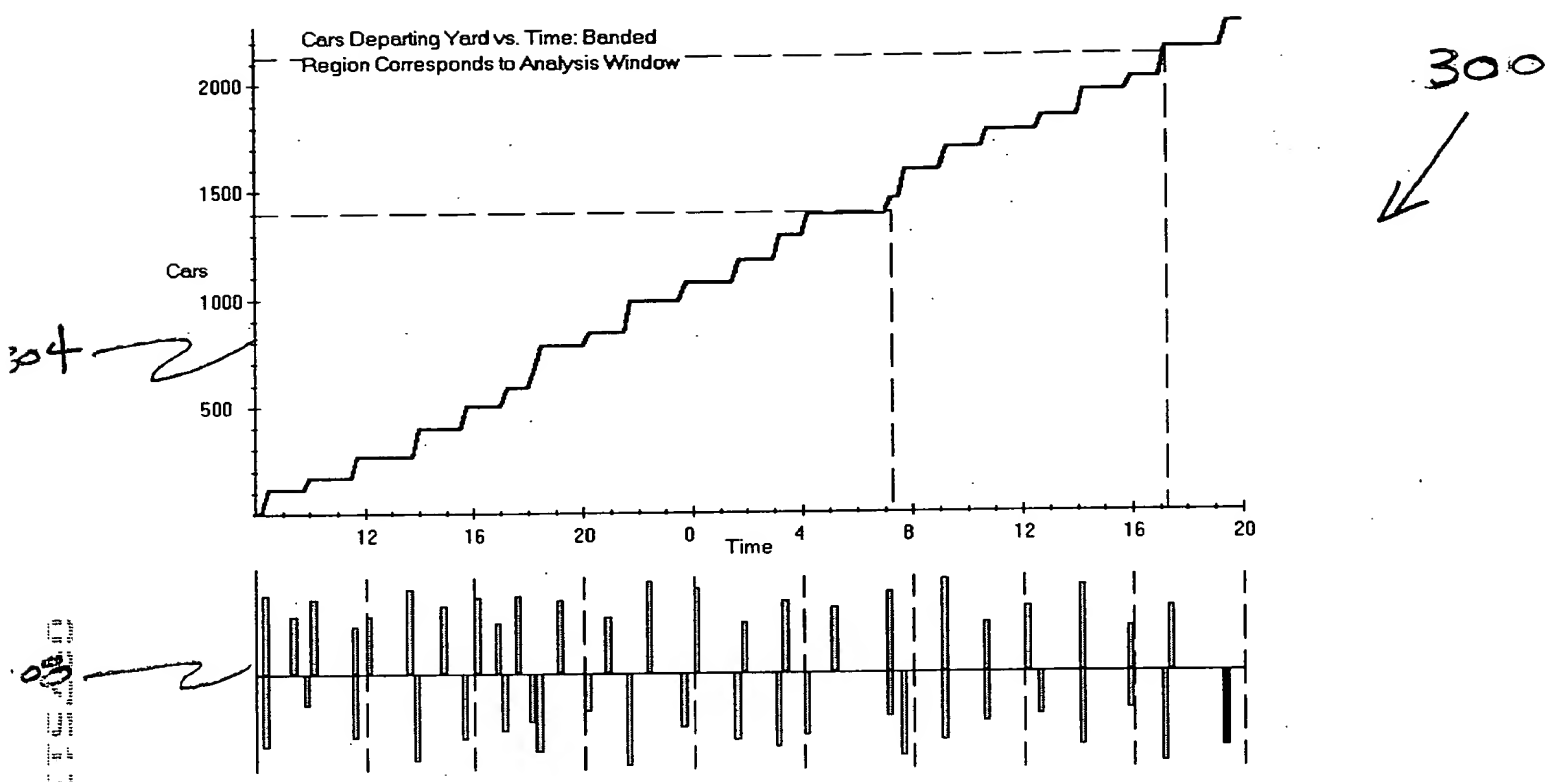


Fig. 5

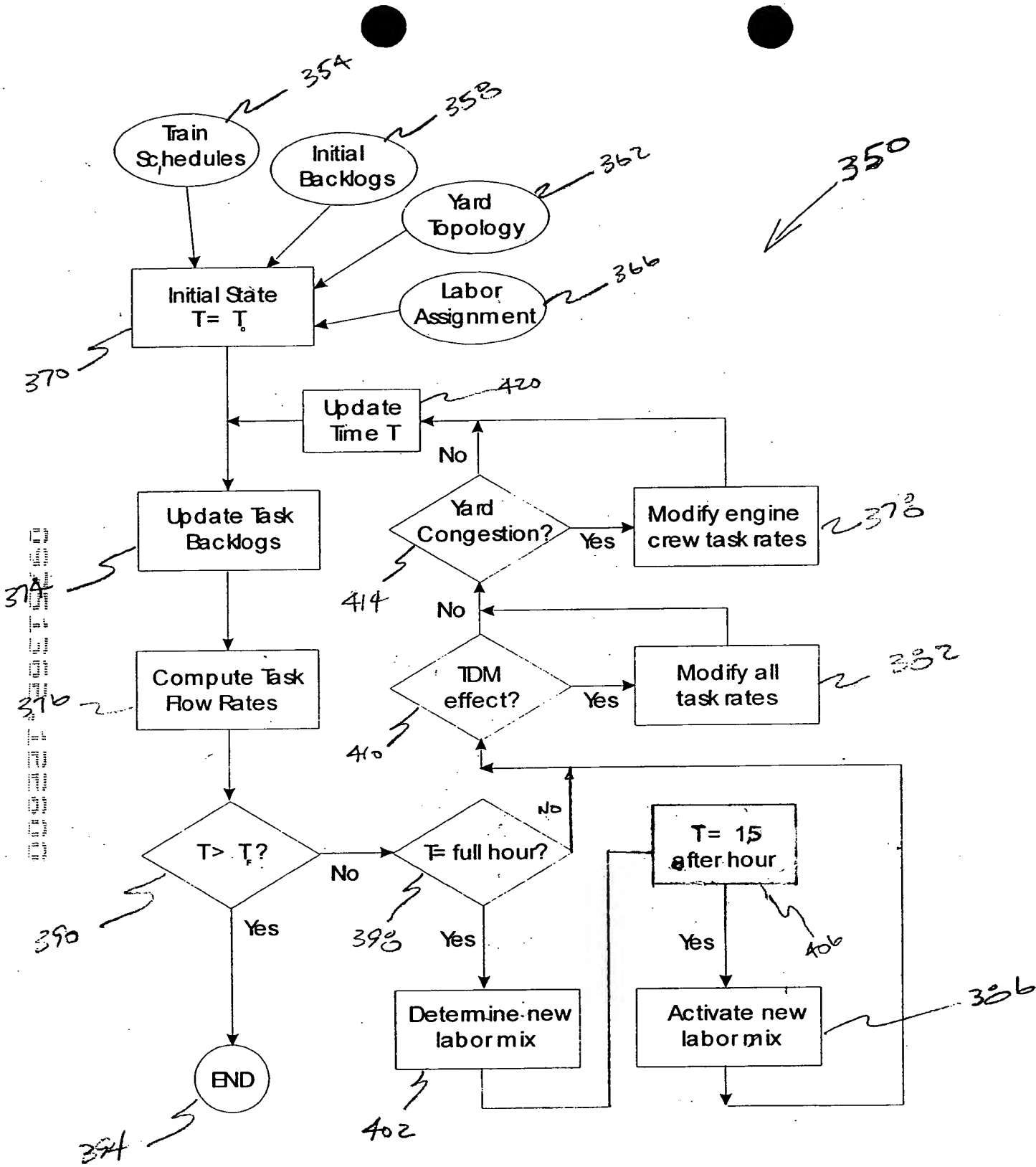


Fig. 6

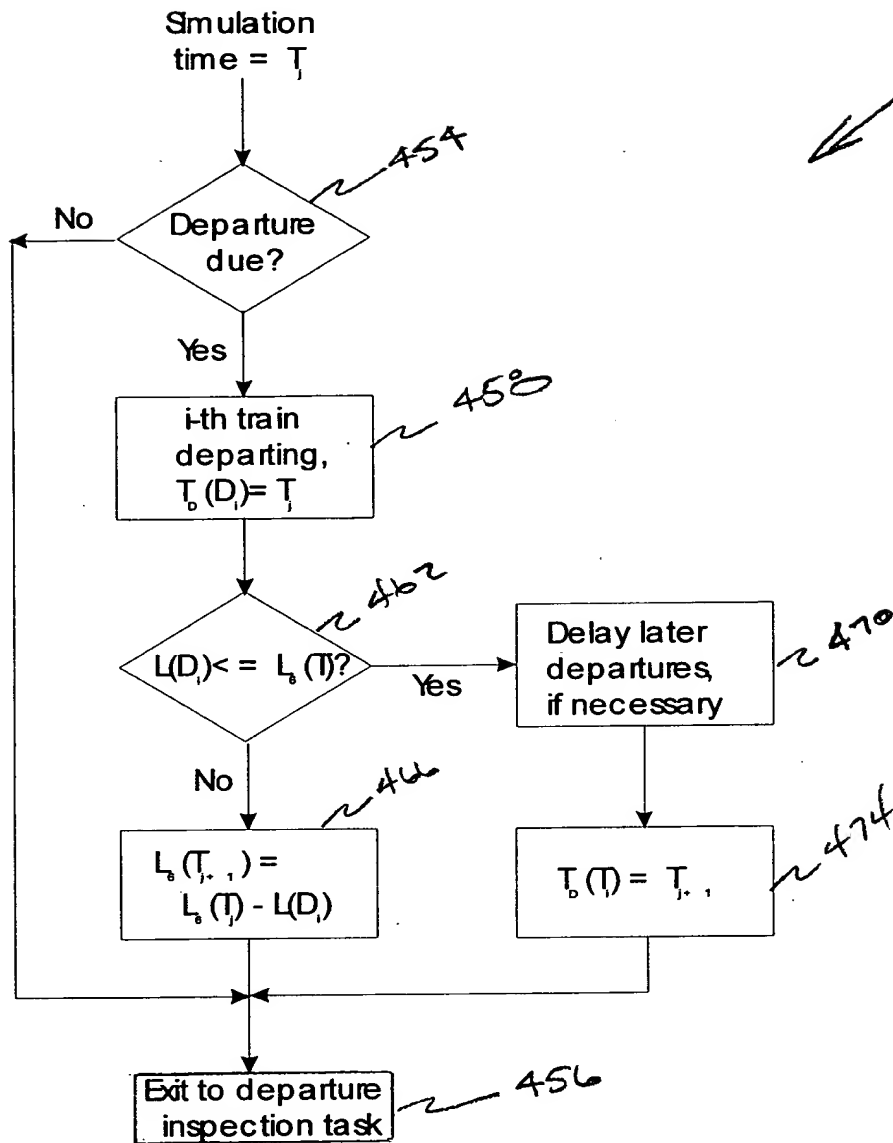


Fig. 7

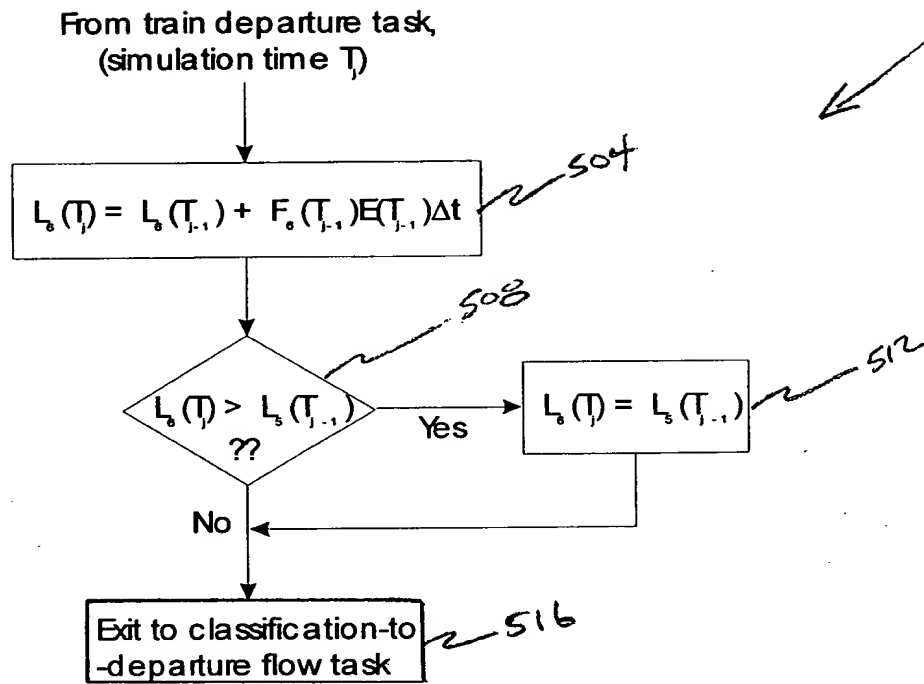


Fig. 8

From train departure
inspection task,
(simulation time T_j)

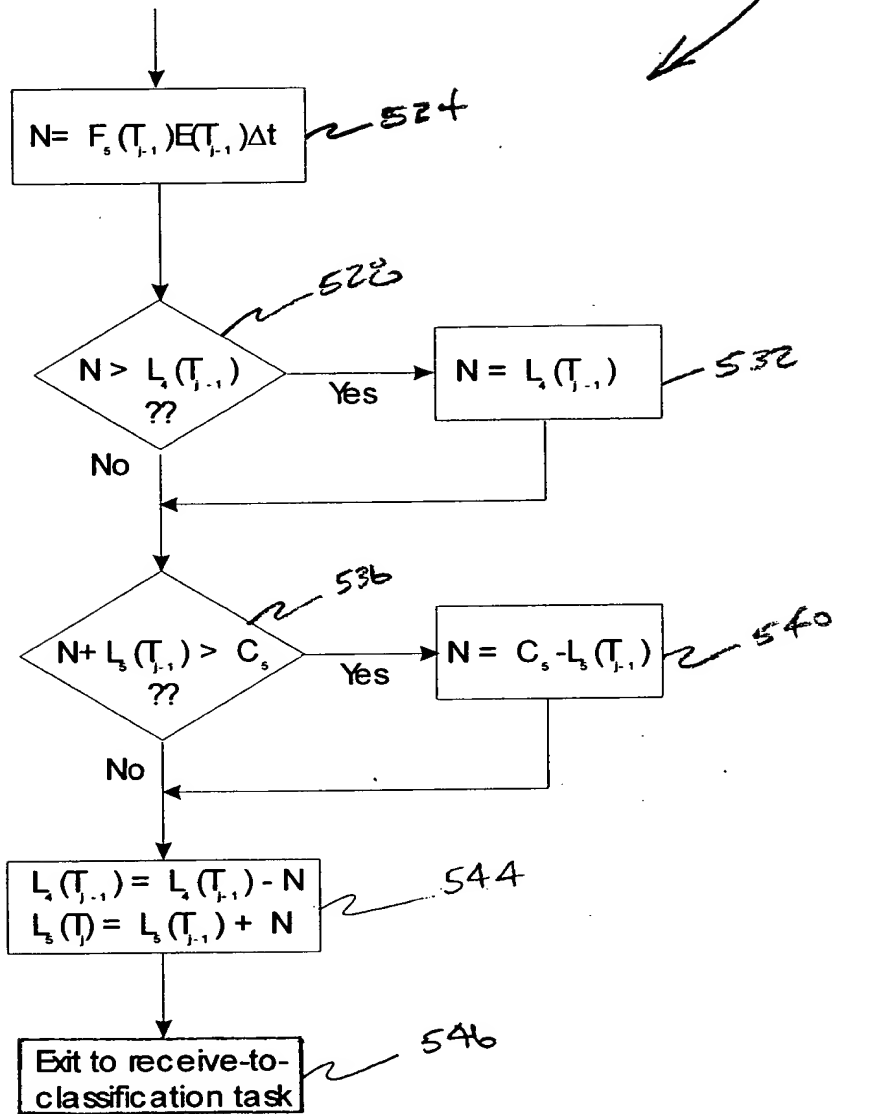


Fig. 9

From receive-to-classification task,
(simulation time T_j)

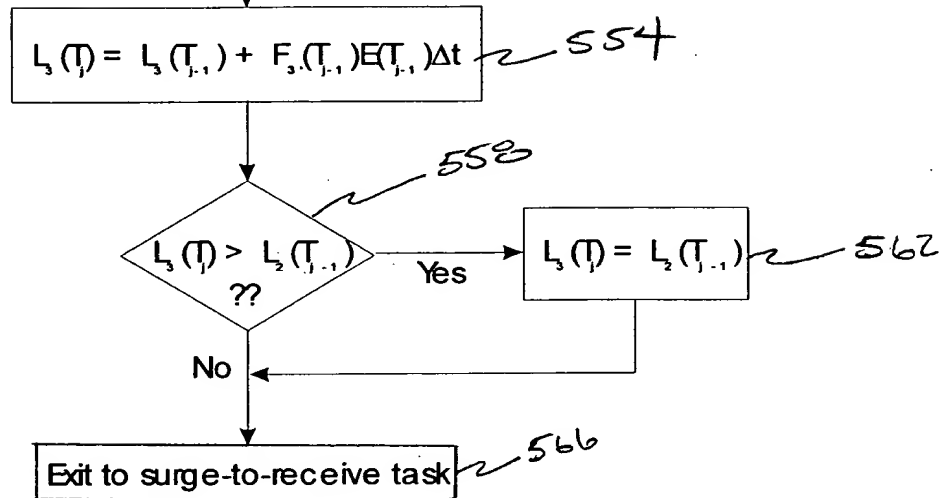


Fig. 10

From surge-to-receive task,
(simulation time T_j)

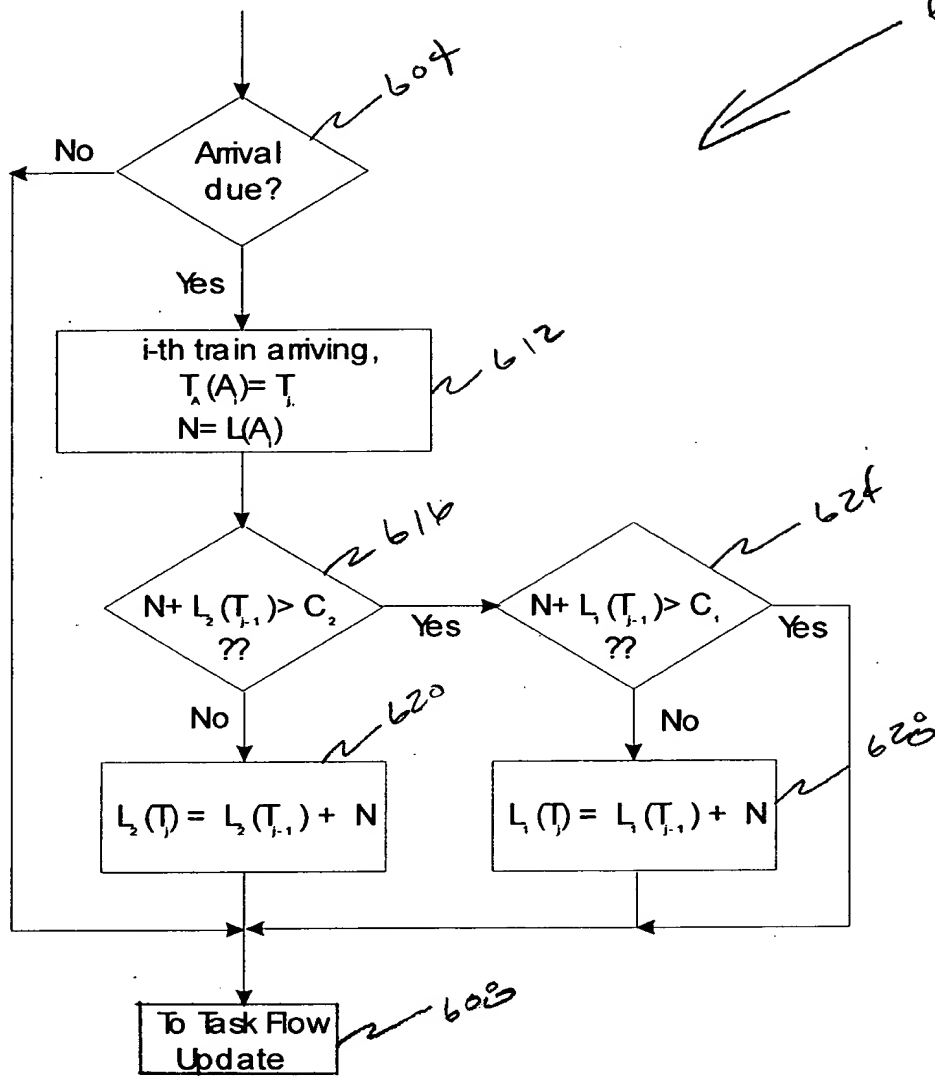


Fig. 11

Inputs

L1 = first labor category
T1 = task using first labor category
L2 = second labor category
T2 = task using second labor category
B = a specified backlog level (0 - 1)

Source = -1

Source = the task to provide the labor
LM(i,j) = labor of type j currently assigned to task i

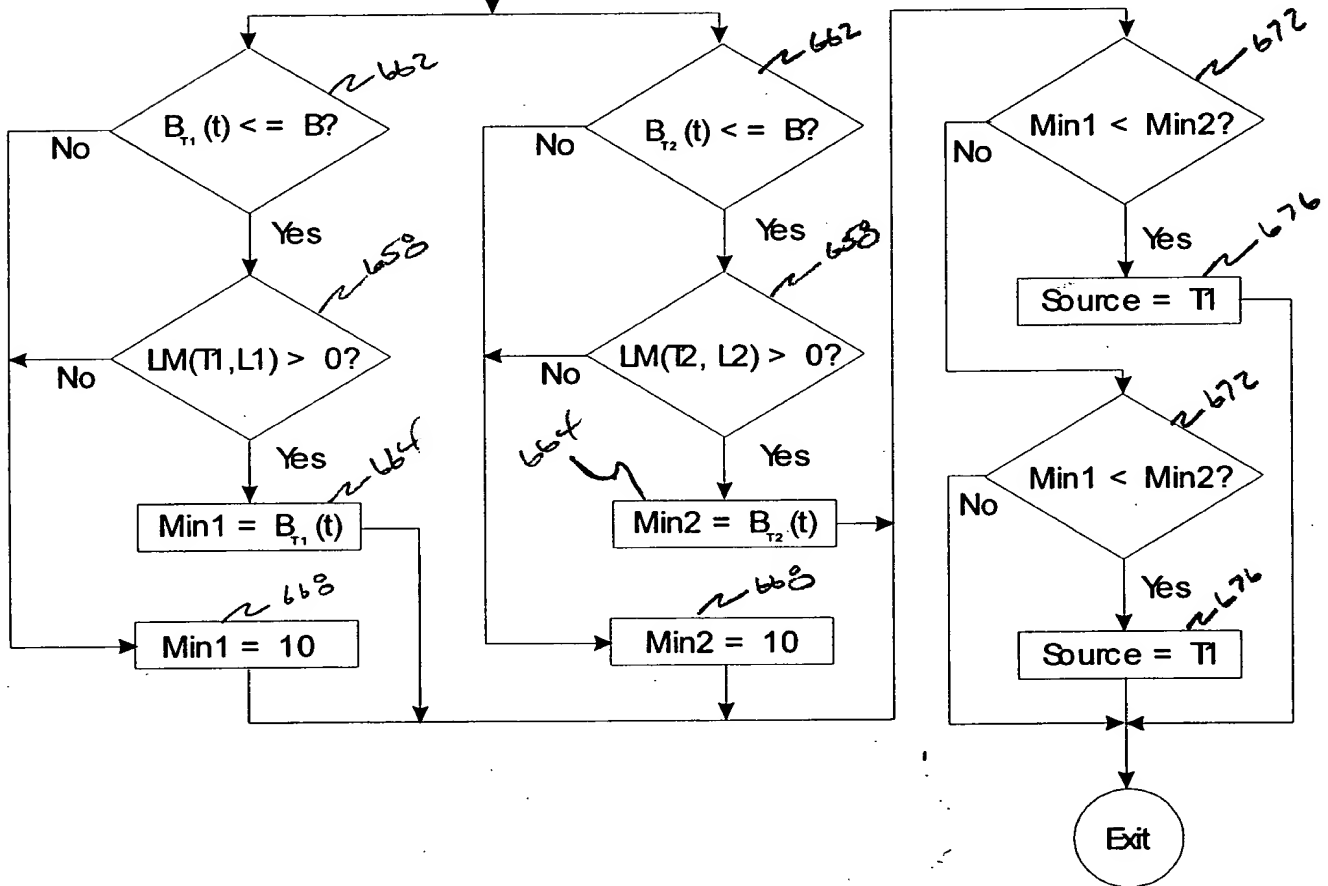


Fig. 12